

FIGURE 1

20
22 ~<person>
24 ~<name>John</name>
26 ~<surname>Smith</surname>
28 ~</person>

FIGURE 2

40
42 ~<schema>
44 ~<element name="person">
46 ~<complex type>
48 ~<sequence>
50 ~<element name = "name">
52 ~<element name = "surname">
54 ~</sequence>
56 ~</complex type>
68 ~</element name>
60 ~ </schema>

70

FIGURE 3

72 ~ class Person {
74 ~ String name;
76 ~ String surname;
78 ~ String getName() { }
80 ~ String getSurname() { }
82 ~ void setName(String newName) { }
84 ~ void setSurname(String newSurname) { }
}

FIGURE 4

```
q0
  92 ~ class Person {
  94 ~ static class Name extends SimpleTypeString {
  96 ~ public static String name() { return "name"; }
  98 ~ public Name(String v) { super (v); }
}
100 ~ static class Surname extends SimpleTypeString {
102 ~ public static String name() { return "surname"; }
104 ~ public Surname(String v) { super (v); }
}
106 ~ protected void structure() {
108 ~ addParticle(new SequenceParticle()){
110 ~ protected void structure() {
112 ~ addParticle(new ElementParticle("name"));
114 ~ addParticle(new ElementParticle("surname"));
}
}
}
}
```

120

Figure 5

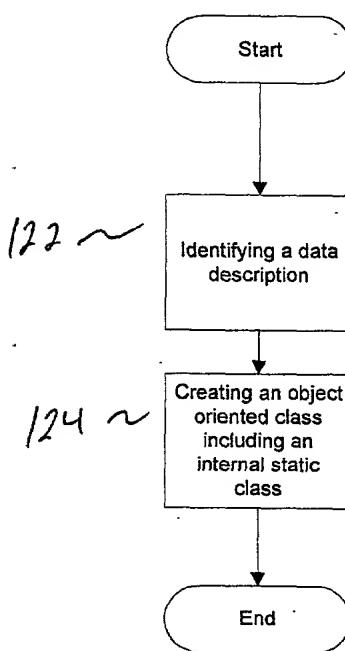


Figure 6

